1. Product Description

Avantree Saturn is a 2 in 1 Bluetooth receiver and transmitter which incorporates latest 'aptX' codec for less latency, high audio quality. The Saturn is very simple to use that enables any Bluetooth enabled music device to connect between both Bluetooth or non-Bluetooth devices. It can be used to enable a phone to transmit music to a home stereo system or just as easily, to allow a CD player or other device to transmit to a Bluetooth speaker system or headphone device. With its compact design, rechargeable feature, also long time working item enables you whenever or wherever you want to use it.

2. Product Overview

(1) LED Indicator
(2) Multi-Function Button (MFB)
(Power on / Off / Pairing)
(3) Micro USB charging socket
(4) 3.5 mm audio jack
(5) TX / RX switch button

What's in the box:

A. Avantree Saturn
B. **3.**.5mm to 3.5mm audio cable
C. USB charging cable
D. 3.5mm to RCA audio cable
E. Warranty card
F. User manual
G. 3.5 audio connector

3. Charging

Saturn comes with a built in rechargeable battery that provides a very long standby time and working time. We recommend charging the battery fully before using it for the first time.

1) Insert one Micro USB charging cable end to Saturn Micro USB socket, and put the other end into a standard USB power outlet, such as laptop or desktop.
2) It takes 3 hours to charge full and reaches its full capacity for the first time Each subsequent charge cycle take around 2 hours.
3) LED will indicate red when charging, and goes off when charging is complete.
4) If you have not used the device for a few months, LED might not turn red when first charging. It might take 15-35 minutes before the LED turns red.
5) We suggest to fully charge the device at least every two months

4. Transmitter, Turn On / Off

Please push the click button to TX mode from TX / RX positon, before power on. TX or RX mode can not be changed after powering on Saturn.

Turn On: press and hold the MFB button for about 5 seconds until the blue LED is on for 1 second

Notice: For the first time use or first time turn on after clear connection list, transmitter Saturn will automatically enter into pairing mode, the LED light flashes blue quickly.

Turn Off: press and hold the MFB button for about 3 seconds until the red LED is on for 1 second, and then go off.

5. Transmitter, Pairing with a Bluetooth device (Tutorial online)

After Saturn, under TX mode, has connected to bluetooth stereo device, you can stream music wirelessly. Before pairing, please make sure your Bluetooth stereo receiver device supports Bluetooth A2DP profile. (Such as Bluetooth stereo headset Avantree Sacool, Bluetooth speaker Avantree Pluto air.)

1) Pairing procedure:

A. Plug the 3.5 mm audio cable into Saturn's 3.5 mm audio socket, and plug the other end (or 2 x RCA which is red and white connector) into the audio **output** of audio source system （iPod, TV, Treadmill etc）.
B. Ensure Saturn has pushed into TX mode, and device is off.
C. Put Saturn and your Bluetooth stereo receiver device within 1 meter.
D. Power on your Bluetooth stereo receiver device and make it into pairing mode.
E. Press and hold MFB button of Saturn for around 5 -7 seconds till Blue LED light blinks quickly, which is in pairing mode. (**Note**: For the first time use or first time power on after clear connection list, Saturn will automatically enter into pairing mode, the Blue LED light blinks quickly.)
F. Saturn will then automatically search, pair and connect with your Bluetooth stereo receiver device.
G. After successful connection, the Blue LED light will flash twice every 4 seconds.
H. Pairing is completed, now you are able to enjoy the audio wirelessly.

Note:

1, Saturn will flash 3 times within 4 seconds in blue led after connected with other Bluetooth device which also support aptX **codec.** Both transmitter and receiver are incorporated with aptX codec, it will help low latency and higher audio quality compare with standard Bluetooth audio

2, The pairing mode will last 2 minutes. Saturn will enter standby mode if no devices can be connected with 2 minutes

3,Saturn can pair with stereo Bluetooth receiver devices with PIN code "0000", "1111", "8888" or "1234".

LED indicator instruction:

LED indicator	Status of Saturn under TX mode
Blue LED Blinks continuously	Pairing mode, last for 2 minutes
Blue LED flashes once every 1 seconds	Standby mode and not connected with a device
Blue LED flashes twice every 4 seconds	Connect with a device
Red Led blinks	Low power

We found most problems are caused by improper pairing. Please follow the online instruction step by step.

6. Receiver, Turn On / Off

Pls. push the click button to RX mode from TX / RX positon, before power on.

TX or RX mode can not be changed after powering on Saturn.

Turn On: press and hold Saturn's MFB button for around 5 - 7 seconds until the blue LED is on for 1 second.

Turn Off: press and hold the MFB button of Saturn for around 3 - 4 seconds until the red LED is on for 1 second, and then go off.

7. Receiver, pairing with a Bluetooth device (Tutorial online)

7.1 Pairing procedure:

A. Plug the 3.5 mm audio cable into Satun's 3.5 mm audio socket, and plug the other end (or 2 x RCA which is red and white connector) into the audio input of home hifi stereo system.

B. Ensure Saturn has pushed into RX mode, and device is off.

C. Put Saturn and your Bluetooth enabled phone within 1 meter.

D. Press and hold the MFB button of Saturn for around 6-8 seconds till Blue and Red LED light blinks quickly and alternatively, which is in pairing mode.

E. Make your smart-phone enter into Bluetooth mode, here take iPhone as an example. From your iPhone home page, tap **"Settings" ➔ "General " ➔ " Bluetooth" ➔ " On"**

(Notes: Pls. kindly be noted different phone or tablet have different procedure to active its Bluetooth function , pair, connect with other Bluetooth device, here just a general situation)

F. iPhone will auto scan the available Bluetooth devices, and click "Avantree Saturn" from the list of devices shown; and according to the indication, tap "Yes" or "Confirm" .

G. After pairing successful, complete Blue LED will blink twice every 4 seconds.

Note:

1. The pairing mode will last 2 minutes. The receiver will enter standby mode if no devices can be connected with 2 minutes.
2. Saturn's receiver can pair with stereo Bluetooth devices with PIN code "0000", "1111", "8888" or "1234".
3. If pairing is failed, pls., power off Saturn and repair according to above mentioned procedures.
4. The Saturn can remember 8 paired devices, when the number of paired devices exceeds 8, the first one will be replaced.
5. Every time Saturn power on, it will connect to the last connected device automatically. If you want tot pair it to other devices, please turn off the current devices Bluetooth function first and try to pair the receiver to the new device according to above mentioned pairing procedures.

7.2 LED indicator instruction:

LED indicator	Status of Saturn under RX mode
Blue and Red LED Blinks alternately and continuously	Pairing mode, last for 2 minutes
Blue LED flashes once every 1 seconds	Standby mode and not connected with a device
Blue LED flashes twice every 4 seconds	Connect with a device
Red Led blinks	Low power

7.3 Get maximum stable range.

Please kindly make sure there is no obstacle (wall corner etc.,) between receiver and transmitter; also make the 2 devices at the same side.

8. Advanced Usage

8.1 Stream music

When Saturn is used as a receiver, you can connect it to a 3.5mm stereo headset or stereo speaker with a 3.5mm to 3.5mm audio cable. Now you can listen to music and control pause / play of music

Function	Status of the Saturn under RX mode	Operation
Pause	Playing music	Short press MFB button once
Play	Pausing	Short press MFB button once

8.2 Charging and stream music

When battery is low but you still want to use Saturn either under TX or RX mode, you could be able to charge Saturn and stream audio sound

8.3 Reconnecting to a Bluetooth device

A. **Automatic connecting**: Once Saturn is power on, it will automatically connected with the last connected device.

B. **Manual connecting**: When Saturn is in standby mode and doesn't connect to any device, short press MFB button once, it will automatically connected to last connected device.

C. **Auto off:** Saturn will automatically power off if no devices can be connected within 5 minutes.

D. **Clearing pairing list:** Ensure Saturn is off, press and hold MFB button for around 10 -12 seconds till red LED is on for 1 second and then Blue LED is on for 1 second.

9. Product Specification

- *Bluetooth* V2.1+EDR
- Bluetooth profile supported:A2DP and AVRCP
- Supported codec: aptX, SBC
- Operation Range: Class 2, 10 meters
- TX mode working time: 10 hours
- RX mode working time: 9 hours
- Standby time: up to 400 hours
- Charging time: about 2-3 hours
- Charging input voltage: DC 5V
- Battery: 270mAH rechargeable LI-polymer battery
- Weight: 48.5g
- Size: 50mm(L)x37mm(W)X13mm(H)

The working and standby times may vary when used with different mobile phones or other compatible Bluetooth devices, usage settings, usage styles and environments.

10. Safety Information

- To avoid any damage or malfunction of the device do not drop device from high places.
- Keep device away form humidity, water and any other liquid. If the device is exposed to water, moisture and other liquid, do not operate it to avoid any electrical shock, explosion and damage to the device or yourself.
- Do not place or keep this device near any heat source, such as, direct sun light, radiators, stoves or other apparatus which produces heat. It may cause explosion, degrade the performance and/or reduce battery life.
- Do not modify, repair or disassemble device at discretion (Especially battery: It may cause an explosion). Doing this will avoid the warranty.
- Do not place heavy objects on the device.
- Use only supplied and approved charger.
- Replacement or service must be done by qualified service center or manufacturer.
- Unplug this device when unused for long periods of time or during lightning storms.

CAUTIONS: ELECTRIC SHOCK HAZARD

The battery used in this device may present a risk of fire or chemical burn if mistreated.

11. Declaration of Conformity

11.1. EU

This product is CE certified according to the provision of the R&TTE Directive (99/5/EC).

Declare that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

11.2. Trademark Statement

The *Bluetooth* word mark and logos are owned by the Bluetooth SIG, Inc.

Avantree is a trademark owned by Avantronics limited.

apt-X™ words and logos marked with a ™ or ® are trademarks registered or owned by CSR plc or one of its group companies and may

be registered in one or more jurisdictions except that not all such marks are registered in all countries where products are available.

11.3 FCC RF exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 1.5cm between the radiator& your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

12. Warranty

- To avoid any damage or device malfunction, do not drop the device from high places.
- Keep the device away from humidity, water and any other liquid. If the device is exposed to water, moisture and other liquid, do not operate it to avoid any electrical shock, explosion and damage to the device or yourself.
- Do not place or keep this device near any heat source, such as, direct sun light, radiators, stoves or other apparatus which produces heat. It may cause explosion, degrade the performance and/or reduce battery life.
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Online Tutorial & Technical Support

More information about this product and other Avantree Bluetooth products, including the *video user guide*, *product tutorial* and online technical support, please refer to www.avantree.com website.

Due to software update, there could be some changes on operations. Please always refer to Product Tutorial page in Avantree website for the latest features.

QDID : B015006
FCC ID: WJ5-BTRC201
Z-PKMN-TC200X-00V1.2